XTRA™ Series

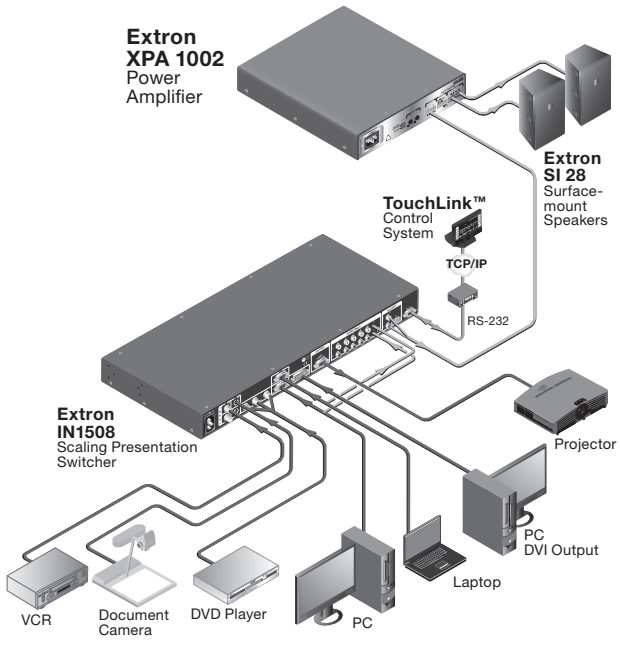
Power Amplifiers - 200 Watts

DESCRIPTION

The Extron **XPA 1002** and **XPA 2001** are compact power amplifiers in the XTRA Series, designed for installation in racks, lecterns, or above the ceiling. These ENERGY STAR qualified amplifiers feature an Extron exclusive, highly efficient, advanced Class D amplifier design with patented CDRS™ - Class D Ripple Suppression technology that provides a smooth, clean audio waveform and an improvement in signal fidelity over conventional Class D amplifier designs. This Extron exclusive, high efficiency design allows the amplifiers to be fanless and operate in environments with little or no ventilation. These professional grade amplifiers deliver 200 watts of continuous output power.

FEATURES

- **ENERGY STAR® qualified amplifiers**
- **Professional grade signal-to-noise and THD+N performance**
- **Extron Patented CDRS™ - Class D Ripple Suppression**
- **Convection cooled, fanless operation**
- **Ultra low inrush current - no need for power sequencing**
- **Power factor correction**
- **Rack-mountable 1U, half rack width enclosure**
- **UL 2043 plenum rated when used with optional Flexible Conduit Adapter Kit**



SPECIFICATIONS

AUDIO INPUT	
Number/signal type	1 stereo or 2 mono, balanced/unbalanced
AUDIO OUTPUT	
Number/signal type	
XPA 1002	1 stereo, 4- or 8-ohm direct
XPA 2001-70V	1 mono, 70 V line
XPA 2001-100V	1 mono, 100 V line
Output power	
XPA 1002	60 watts rms per channel, 8 ohms, 1 kHz, <0.05% THD 100 watts rms per channel, 4 ohms, 1 kHz, <0.05% THD
XPA 2001-70V	200 watts rms, 70 V, 1 kHz, <0.1% THD
XPA 2001-100V	200 watts rms, 100 V, 1 kHz, <0.1% THD
Frequency response	20 Hz to 20 kHz, ±1 dB
THD + Noise	
XPA 1002	0.05% @ 20 Hz-20 kHz, 8 ohms, at 3 dB below clipping
XPA 2001-70V, XPA 2001-100V	<0.1% @ 1 kHz at 3 dB below clipping
S/N	
XPA 1002	105 dB, 20 Hz - 20 kHz, unweighted
XPA 2001-70V, XPA 2001-100V	100 dB, 20 Hz - 20 kHz, unweighted
GENERAL	
Power supply	Internal Input: 100-240 VAC, 50-60 Hz, 0.5 A
Power consumption	
Typical (1/8 power)	
XPA 1002	4 ohms (x2): 43 watts 8 ohms (x2): 30 watts
XPA 2001-70V	70 V (x1): 45 watts
XPA 2001-100V	100 V (x1): 45 watts
Quiescent	
XPA 1002	10 watts
XPA 2001-70V, XPA 2001-100V	12 watts
Standby	<1 watt (triggered by contact closure or after 25 minutes [± 5 minutes] with no signal)
Mounting	
Rack mount	Yes, with optional 1U rack shelf
Enclosure type	Metal
Enclosure dimensions	1.7" H x 8.7" W x 9.5" D (1U high, half rack wide) (4.3 cm H x 22.1 cm W x 24.1 cm D)
Product weight	2.5 lbs (1.1 kg)
Shipping weight	5 lbs (3 kg)
Regulatory compliance	
Safety	CCC, CE, c-UL, GS, KC Mark, PSE, S Mark, UL UL rated for use in plenum airspaces: meets UL 2043 for heat and smoke release; meets UL 60065, IEC 60065, and BSEN 60065 for AV equipment.
EMI/EMC	CE, CISPR 22 Class B, C-tick, FCC Class B, ICES, VCCI Class B
Environmental	Complies with the appropriate requirements of ENERGY STAR® (ENERGY STAR qualified amplifier), EU code of conduct, RoHS, WEEE

For complete specifications, please go to www.extron.com

MODEL	VERSION DESCRIPTION	PART #
XPA 1002	Stereo Amp - 100 Watts Per Chan	60-849-01
XPA 2001-70V	70 V Mono Amp - 200 Watts	60-850-01
XPA 2001-100V	100 V Mono Amp - 200 Watts	60-850-11